























































Motion with **constant** acceleration:

 $\begin{aligned} 1.v &= v_0 + at \\ 2. v_{av} &= (1/2) (v_0 + v) \\ 3. x &= x_0 + v_0 t + (1/2) a t^2 \\ 4. v^2 &= v_0^2 + 2a (x - x_0) \end{aligned}$ *where x₀, v₀ refer to time = 0 s ; x, v to time t